AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (currently amended) Apparatus comprising:

a computer to provide a computer-implemented framework for a composite application, the framework comprising:

an object access layer to exchange data with enterprise base systems and to present the data to a composite application through a uniform interface;

a business object modeling layer comprising a business object modeler to provide a user interface (UI) for constructing a business object; and

a service layer to enable services to the composite application, the service layer comprising a collaboration services module to enable collaboration services to the composite application, the business object modeling layer linking at least one of the collaboration services associated with the business object to the business object;

wherein the collaboration services module enables at least one generic collaboration service;

wherein the object modeling layer that comprises the business object modeler to provide the user interface (UI) for constructing the business object comprises a module to derive at least one object specific service from the at least one generic collaboration service linked with the business object by the business object modeling layer; and

wherein the object modeling layer that comprises the business object modeler to provide the user interface (UI) for constructing the business object is separate from the service layer that comprises the collaboration services module to enable collaboration services to the composite application.

2-3. (cancelled)

4. (currently amended) The computer-implemented framework of claim 3 1 further comprising a process modeler including a context modeler for modeling a context, wherein

the object modeling layer comprises a module arranged to derive an object specific service from the at least one generic collaboration service on the basis of the modeled context.

5. (currently amended) The computer-implemented framework ~~according~~ of claim 4 wherein each business object is a specific instance of an object class, and wherein the object modeling layer comprises a module to extend the object class by adding a generic collaboration service and to derive an object class specific service from the at least one generic collaboration service.

6. (original) The computer-implemented framework of claim 5, wherein the object modeling layer is specializes the at least one generic collaboration service in accordance with the object class.

7. (original) The computer-implemented framework of claim 1 wherein the object modeling layer is included in a design time component.

8. (original) The computer-implemented framework of claim 1 further comprising a user interface (UI) layer to enable UI patterns that facilitate information exchange between the composite application and a user.

9. (currently amended) A computer-implemented method of implementing a composite application in a framework, the method comprising:

accessing, by a computer, an object to exchange data with enterprise base systems and to present the data to a composite application through a uniform interface;

modeling, by a computer, a business object to enable a user interface (UI) for constructing a business object;

enabling, by a computer, services to the composite application including providing collaboration services to the composite application, the modeling comprises directly linking at least one of the collaboration services associated with the business object to the business object;

wherein the providing the collaboration services comprises enabling at least one generic collaboration service;

wherein the modeling comprises:

deriving at least one object specific service from the at least one generic collaboration service; and

providing an object modeling layer that comprises a business object modeler to provide the UI for constructing a business object; and

wherein the enabling services comprises:

providing a service layer that is to enable the services and is separate from the object modeling layer.

10-11. (cancelled)

12. (currently amended) The computer-implemented method of claim ~~11~~ 9 further comprising modeling a process including context, the modeling comprising deriving an object specific service from the at least one generic collaboration service on the basis of the modeled context.

13. (original) The computer-implemented method of claim 12 wherein each business object is a specific instance of an object class, and wherein modeling comprises extending the object class by adding a generic collaboration service and deriving an object class specific service from the at least one generic collaboration service.

14. (original) The computer-implemented method of claim 13, wherein modeling comprises specializing the at least one generic collaboration service in accordance with the object class.

15. (original) The computer-implemented method of claim 14 wherein the modeling step is carried out by a design time component.

16. (original) The computer-implemented method of claim 15 further comprising enabling a UI layer to provide UI patterns that facilitate information exchange between the composite

application and a user.

17. (new) A computer program product comprising a machine readable storage device having instructions executable by a computer to cause the computer to perform a method comprising:

accessing an object to exchange data with enterprise base systems and to present the data to a composite application through a uniform interface;

modeling a business object to enable a user interface (UI) for constructing a business object;

enabling services to the composite application including providing collaboration services to the composite application, the modeling comprises directly linking at least one of the collaboration services associated with the business object to the business object;

wherein the providing the collaboration services comprises enabling at least one generic collaboration service;

wherein the modeling comprises:

deriving at least one object specific service from the at least one generic collaboration service; and

providing an object modeling layer that comprises a business object modeler to provide the UI for constructing a business object; and

wherein the enabling services comprises:

providing a service layer that is to enable the services and is separate from the object modeling layer.